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POLYGAMOUS FLOWERS IN POPULUS.—On the 7th of April I found a few pistillate aments of *Populus tremuloides* with both kinds of flowers, and on fast-day (the 11th inst.) I found four small sized female trees that were more or less polygamous.

On one of these trees nearly every ament that I examined had perfect flowers in addition to the regular pistillate ones. In one instance the stigma was partially covered with pollen from the open anther which was apparently just in the act of discharging its pollen.

The number of stamens in these flowers varied from one to four. Usually two, or three, but sometimes four stamens were arranged around the pistil, the disk being enlarged for their accommodation.

I do not remember to have seen anything of this kind mentioned before in connection with this genus, but Prof. Goodale tells me that Mr. Bailey has noticed it in *Populus balsamifera*, near Providence, R. I., and Mr. Watson, to whom I communicated my specimens, says it has occurred among the willows.

In looking at the poplars soon after some recent cold rains I noticed that those buds which had pushed out the earliest, were so much injured that they would drop off almost at a touch. *Populus tremuloides*—the sterile aments—was in full bloom in Medford on the 29th of March, and *P. grandidentata* the following week.

It is gratifying to know that this genus is to be worked up anew by one so fully competent for the task as Mr. Watson, and that all confusion is likely to be cleared away, and the different species clearly and accurately defined.—GEO. E. DAVENPORT, Medford, Mass.

ON THE DISTRIBUTION OF CERTAIN PLANTS IN MISSOURI; BY G. C. BROADHEAD, of Pleasant Hill, Mo.—*Aquilegia Canadensis*, L., may be found early in the spring on shaded limestone hillsides in various parts of the State.

Aquilegia Canadensis var. *alba*, a rare and pretty plant was found on limestone slopes in Jackson county.

A. Canadensis, L., a pale yellow variety was found in Buchanan county.

Anemone Pennsylvanica, L. Found on Missouri bottoms from St. Louis county to Atchison county. On the upland and lowland prairies of Atchison and Holt counties it is very abundant, but in North Missouri I have not elsewhere observed it.

Anemone Caroliniana, Walt. From Cass county south along the western border of the State. It is found on prairies west and south. A purple variety is sometimes found in Cass and Bates counties. Dr. Engelman states that this closely resembles the European *A. stellata*. This is one of our earliest and prettiest flowers.

Hepatica triloba, Chaix. Only seen in Central and Eastern Missouri, on rocky and shaded hillsides.

Cocculus Carolinianus, DC. From Cole to Vernon and southwardly.

Brasenia peltata, Pursh. On ponds of Barton and Jasper.

Nymphaea odorata, Ait. Have only seen this beautiful and fragrant water plant in Vernon and Barton.

Nuphar advena, Ait. On ponds of Vernon and Bates. This is also quite common in Central Illinois.

Corydalis cristallina, Engl. From Cass southwardly; sometimes very abundant, especially on sandy slopes and rich prairie mounds. In North Missouri I have also found it in Livingston county, and it may occur at other localities in that district.

Oleome integrifolia. Found in Clay county, and also at Leavenworth, Kansas. Introduced from far West.

Viola pedata, L. Birds-foot violet or velvet violet. Rare in Western Missouri, but common on dry ridges in Eastern Missouri. Is very pretty.